UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Draft Report

Site Name.....	Fish Kill on Dunkard Creek
Sample Collection Date(s).....	09/09/09 13:27- 09/09/09 14:57
Contact.....	Maggie Passmore
Report Date.....	09/16/09 16:00
Project #.....	NSF 493
Work Order.....	0909016

Analyses included in this report:

Nitrite+Nitrate as Nitrogen by FIA
Total Alkalinity-Bicarbonate
Total Alkalinity by 2320B
Total Alkalinity-Carbonate

Site Name: Fish Kill on Dunkard Creek **Project #: NSF 493**

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 0909016-01								
Station ID: D4								
Sample Matrix: Surface Water								
Collected: 09/09/2009								
Total Alkalinity	162		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102
Bicarbonate Alkalinity	162		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102
Carbonate Alkalinity	U		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102
Nitrite + Nitrate as N	1.80		0.010	mg/L	1	09/15/09	09/16/09 11:00	EPA 353.2
Lab ID: 0909016-02								
Station ID: D8								
Sample Matrix: Surface Water								
Collected: 09/09/2009								
Nitrite + Nitrate as N	1.08		0.010	mg/L	1	09/15/09	09/16/09 11:00	EPA 353.2
Total Alkalinity	86.2		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102
Carbonate Alkalinity	U		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102
Bicarbonate Alkalinity	79.9		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102
Lab ID: 0909016-03								
Station ID: D9								
Sample Matrix: Surface Water								
Collected: 09/09/2009								
Nitrite + Nitrate as N	1.07		0.010	mg/L	1	09/15/09	09/16/09 11:00	EPA 353.2
Total Alkalinity	41.6		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102
Bicarbonate Alkalinity	28.7		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102
Carbonate Alkalinity	U		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102

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Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 0909016-04								
Station ID: D10								
Sample Matrix: Surface Water								
Collected: 09/09/2009								
Carbonate Alkalinity	U		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102
Nitrite + Nitrate as N	U		0.010	mg/L	1	09/15/09	09/16/09 11:00	EPA 353.2
Total Alkalinity	180		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102
Bicarbonate Alkalinity	180		20.0	mg/L	1	09/15/09	09/15/09 08:56	SM2320B/R3QA102

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Notes and Definitions

NR	Not Reported
RPD	Relative Percent Difference
U	Analyte included in the analysis, but not detected at or above the quantitation limit.

Quantitation Limit: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

REPORTING PROTOCOL FOR SOLID SAMPLE RESULTS: Percent Solids (percent dry wt at 105 degrees C) determinations are routinely performed for most organic and inorganic analyses. Consequently, these samples are analyzed wet and converted to a dry weight result for reporting purposes. If metals and mercury analyses are requested, they are routinely prepared for analyses by an initial drying at 60 degrees C, homogenized prior to digestion, and are analyzed and reported on a dry weight basis. Oil-type samples are analyzed and reported on a wet weight basis for all analyses because of the nature of the sample matrix. Any exceptions to this protocol will be noted in the narrative.